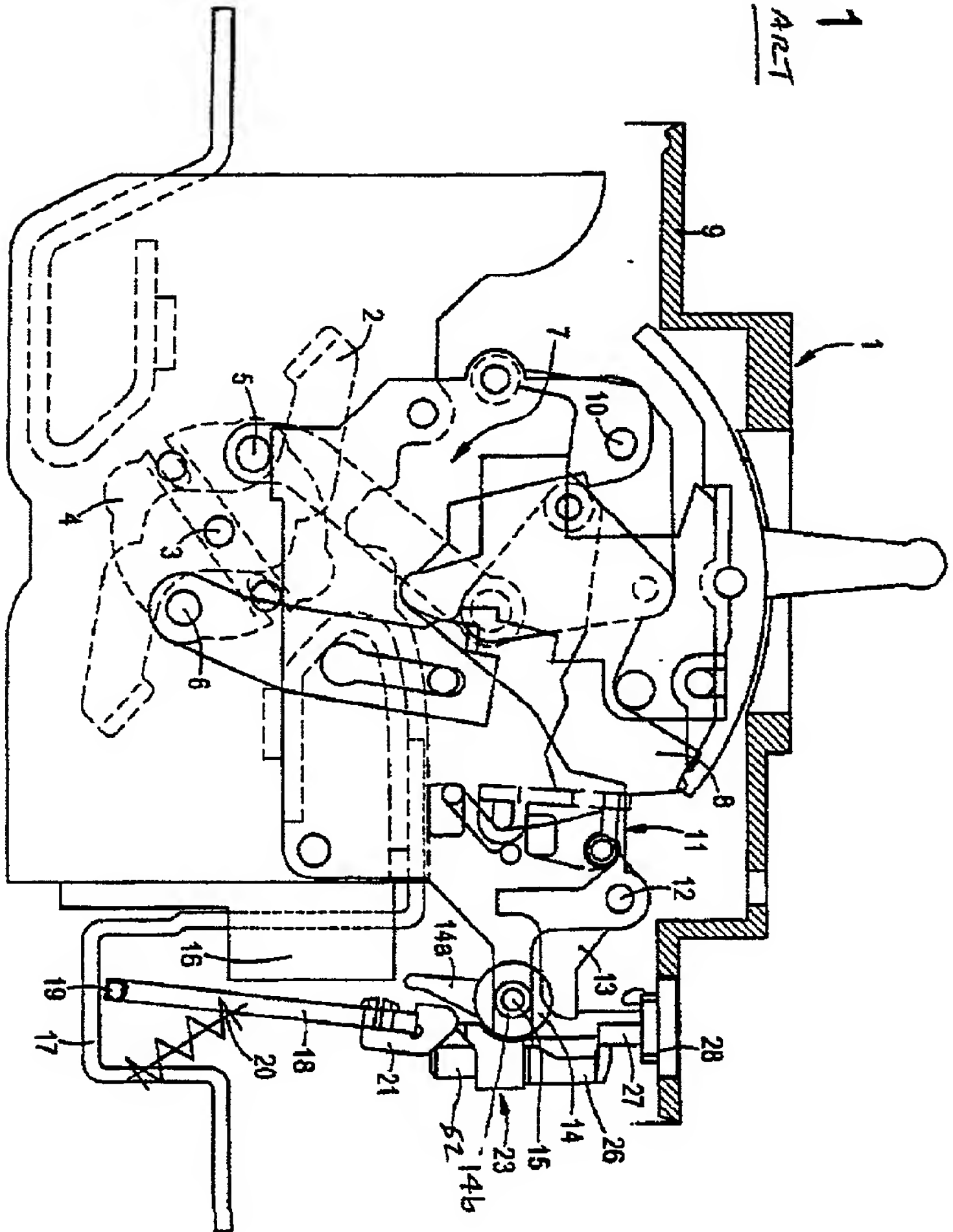


FIG. 1

Prior Art



10063457

FIG. 2

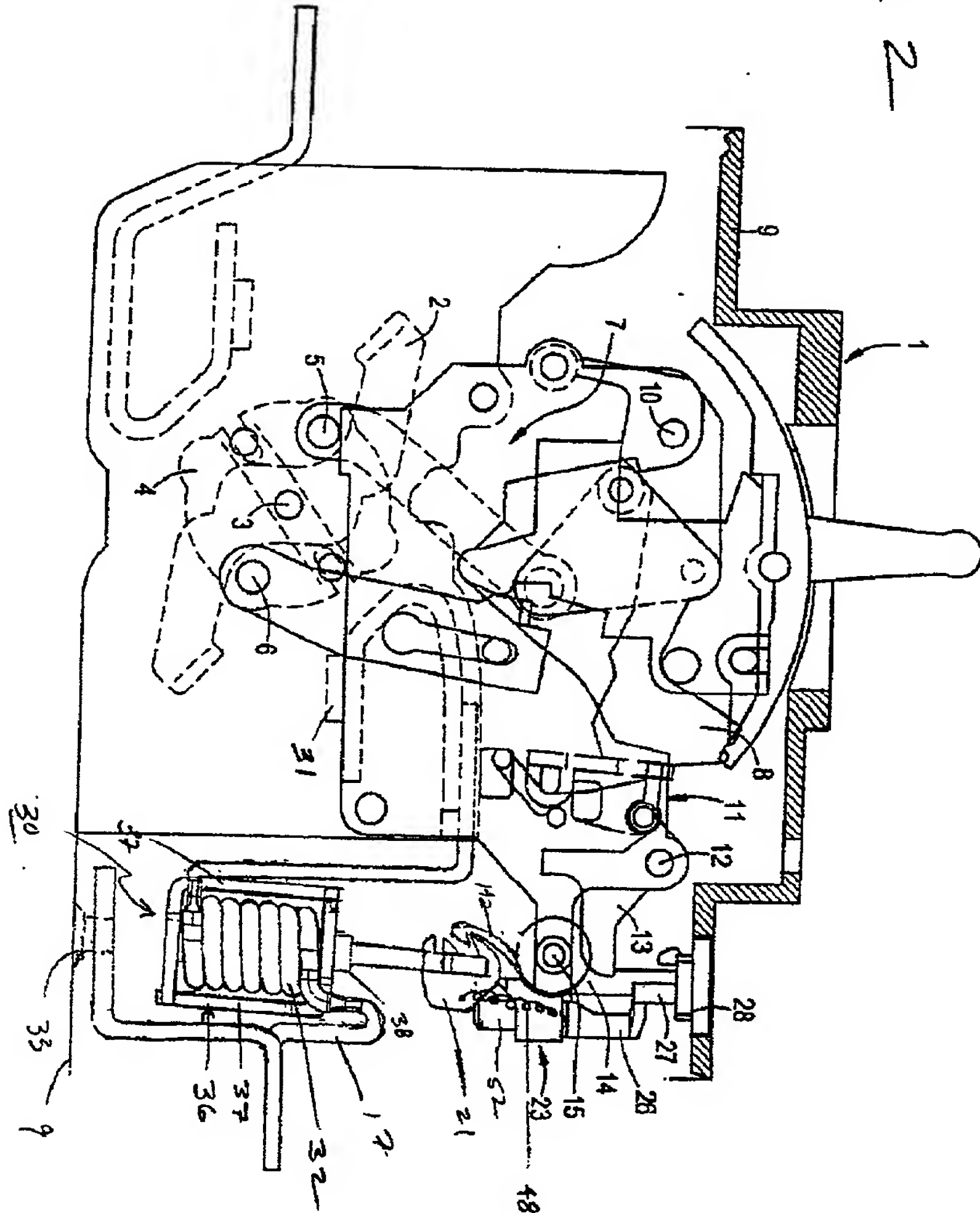


FIG. 2 is a cross-sectional view of the device showing the internal components and the flow of fluid from the inlet to the outlet.

FIG. 3 is a cross-sectional view of the device in a closed position, showing the internal components and the housing. The device includes a housing 30, a piston 32, a spring 34, a valve 36, and a seal 38. The piston 32 is shown in a retracted position, allowing fluid to flow through the valve 36. The spring 34 is shown in a compressed state, exerting a force on the piston 32. The valve 36 is shown in a closed position, preventing fluid from flowing through. The seal 38 is shown in a seated position, preventing fluid from leaking out of the device. The housing 30 is shown in a cross-sectional view, revealing the internal components and the fluid chamber. The device is shown in a closed position, with the piston 32 retracted and the valve 36 closed. The spring 34 is compressed, and the seal 38 is seated. The housing 30 is shown in a cross-sectional view, revealing the internal components and the fluid chamber. The device is shown in a closed position, with the piston 32 retracted and the valve 36 closed. The spring 34 is compressed, and the seal 38 is seated. The housing 30 is shown in a cross-sectional view, revealing the internal components and the fluid chamber.

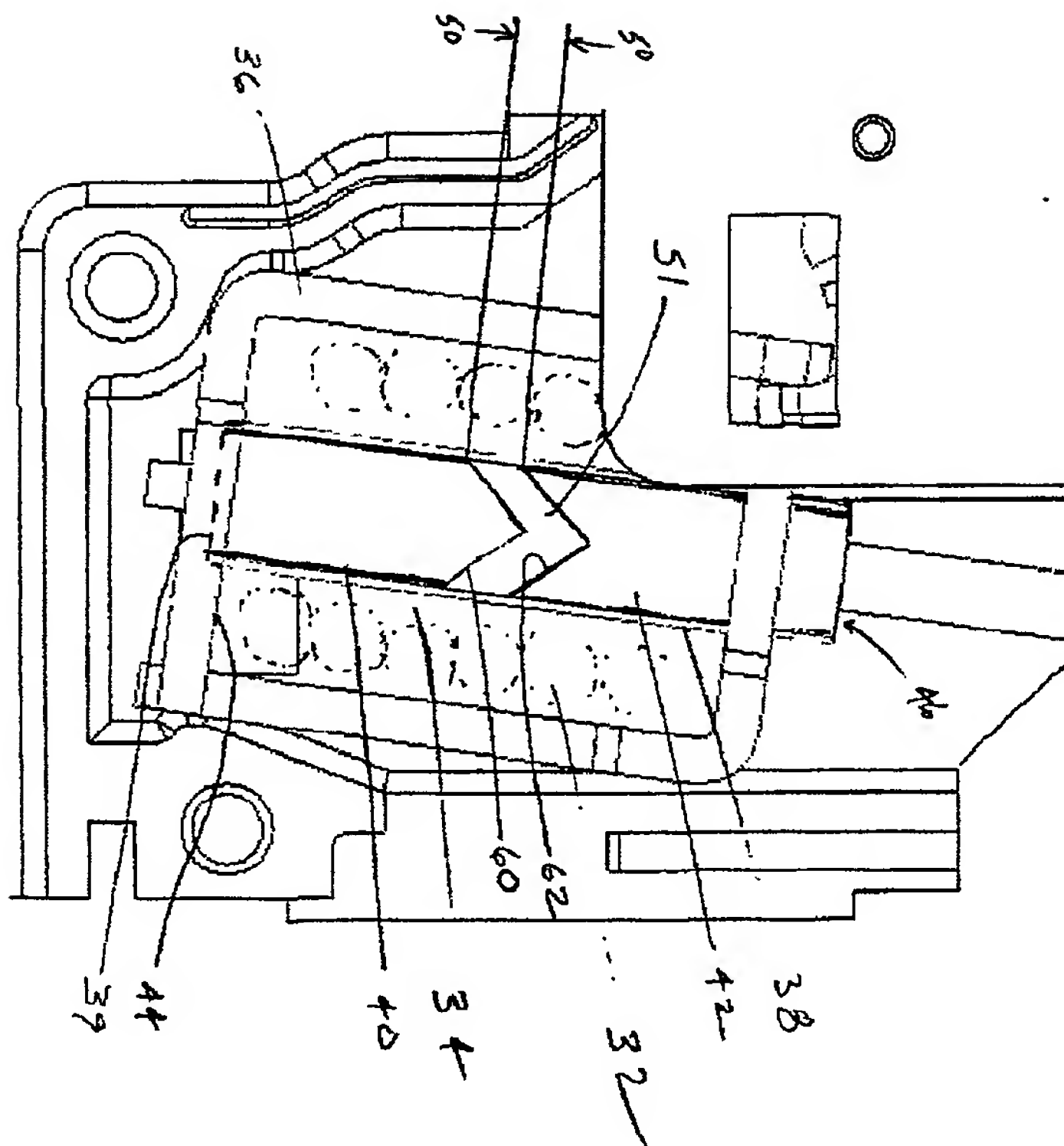


Fig. 3

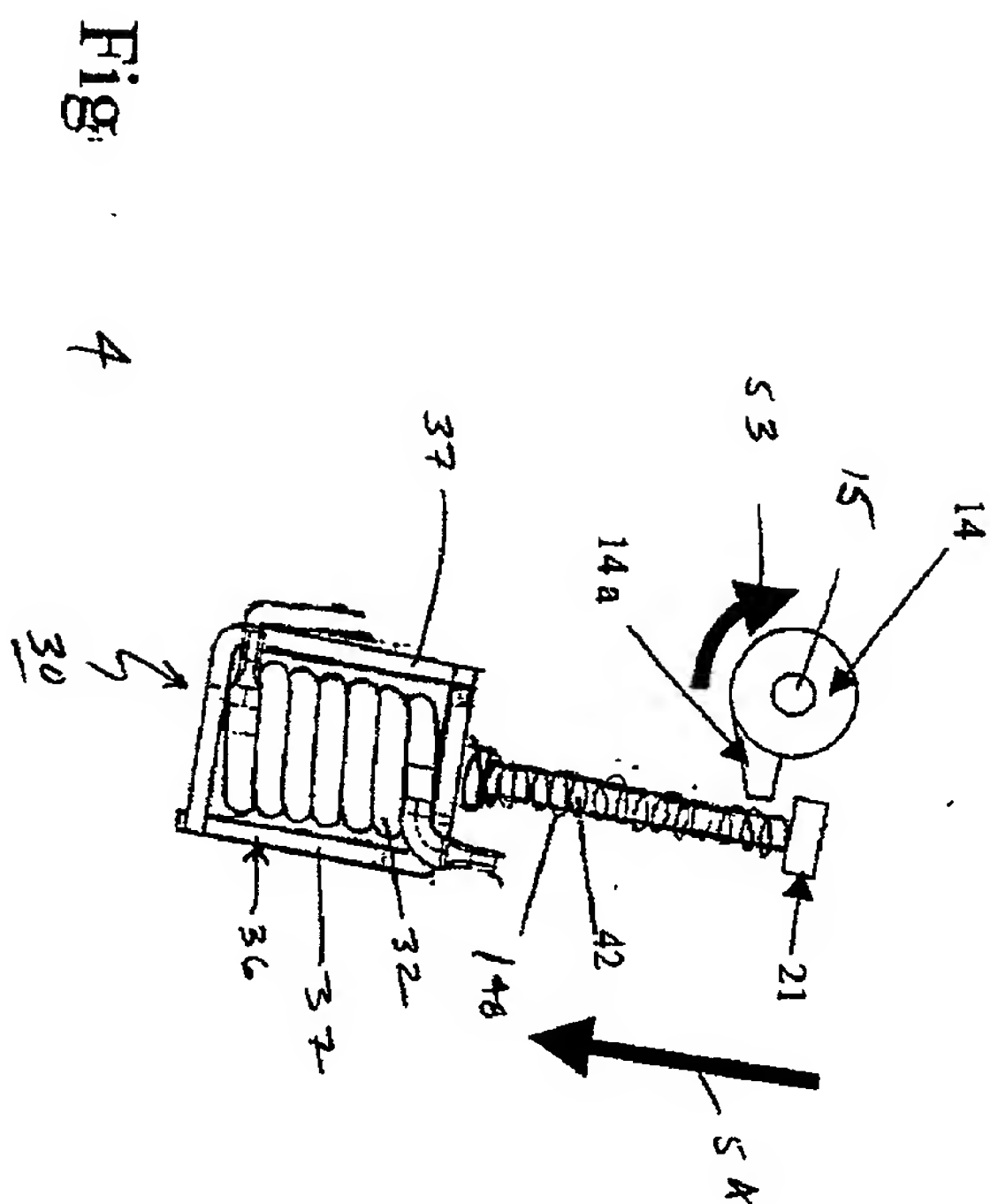
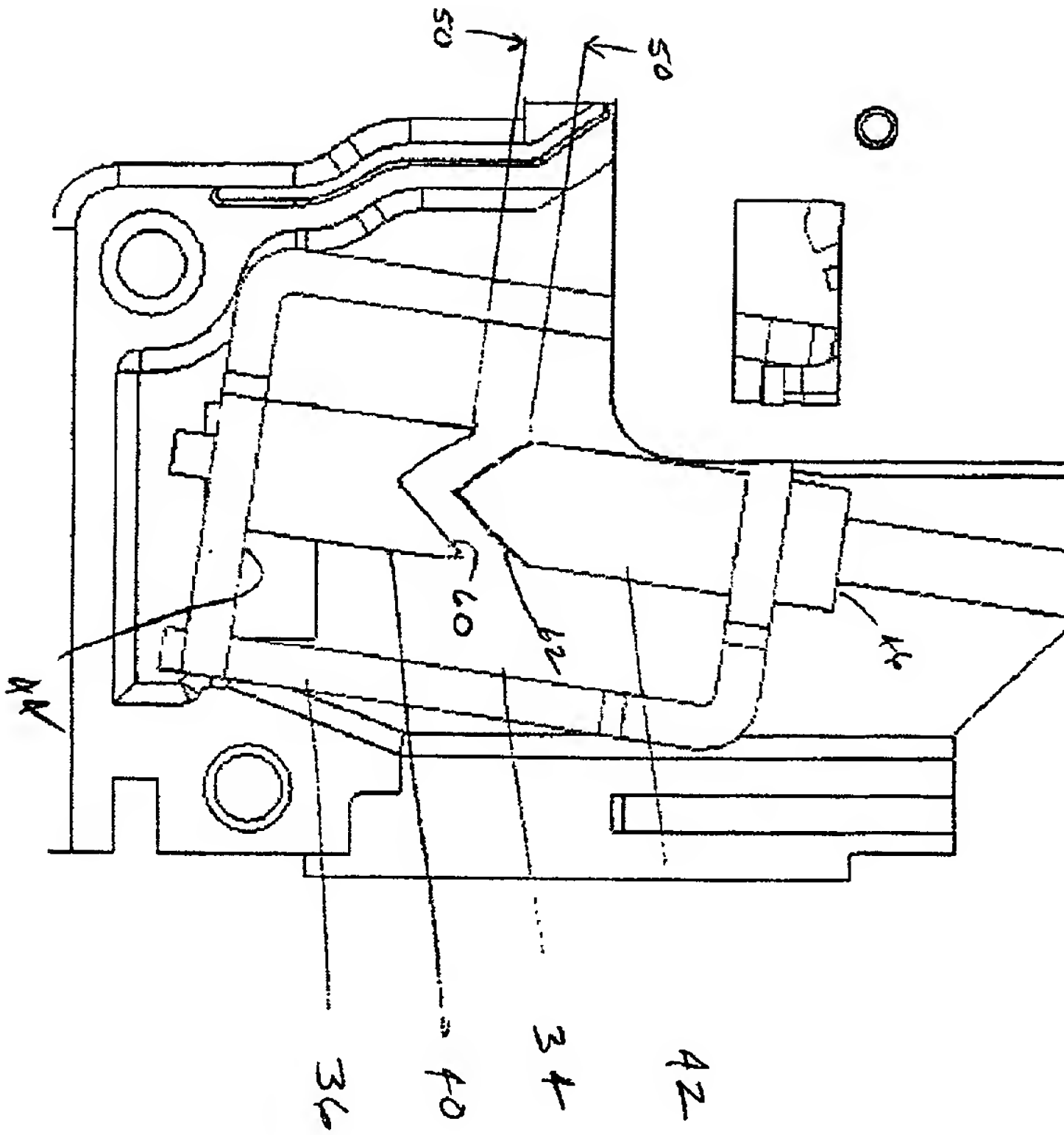


Fig. 4

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Fig 5



## Force vs. Gap

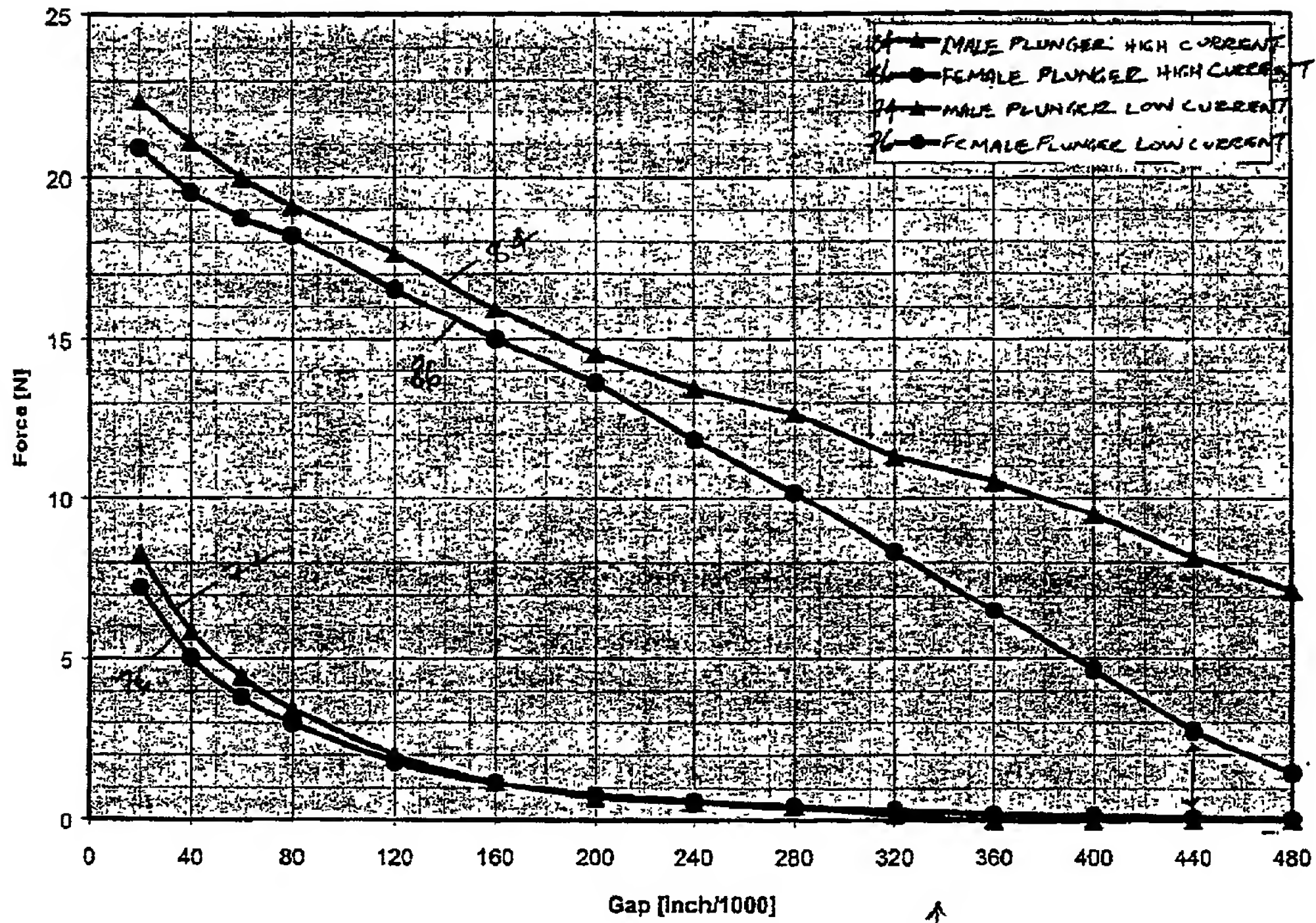


Fig. 6